

19980901.qrp v01_n201.qrs.980901

Date: Tue, 1 Sep 1998 19:03:40 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1201

QRP-L Digest 1201

Topics covered in this issue include:

- 1) [18993] Re: Xtal filter for DC receiver - legit?
by "George T. Baker" <w5yr@swbell.net>
- 2) [18994] Re: Stirling Engines
by Steven Weber <kd1jv@moose.ncia.net>
- 3) [18995] Experience w/ MFJ 1026 or JPS ANC-4
by The Boices <boice@bigfoot.com>
- 4) [18996] W/R ANT... caught by darkness...
by jdenison@morelr.com (JOEL DENISON)
- 5) [18997]
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 6) [18998] Re: Xtal filter for DC receiver - legit?
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 7) [18999] cancel postpone
by k5ubs@juno.com (Oscar A Hoyt)
- 8) [19000] RE: Using big rigs on QRP
by Tracy@bytemark.com (Tracy)
- 9) [19001] Re: Experience w/ MFJ 1026 or JPS ANC-4
by "Armin Hachmer" <armin@muskoka.com>
- 10) [19002] Re: Xtal filter for DC receiver - legit?
by wb8ygg@juno.com
- 11) [19003] Re: [prop] 1998.08.31 USAF HF RADIO PROPAGATION REPORT
by Ab7wy@aol.com
- 12) [19004] Re: Time/Space Continue-um; QRP-l addiction.
by Ab7wy@aol.com
- 13) [19005] Re: Appropriate Names
by Ab7wy@aol.com
- 14) [19006] re: altturnative power generation
by Rick Weber <weber@accenttech.com>
- 15) [19007] Spectrum Analyzer Parts Kit Pricing and order info
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 16) [19008] Re: SMT Parts Source
by neil <neil@aade.com>
- 17) [19009] any NW pilot qrp'ers out here?
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 18) [19010] RE: altturnative power generation
by cy r currier <crc3@telplus.net>
- 19) [19011] RE: altturnative power generation

- by cy r currier <crc3@telplus.net>
- 20) [19012] NorCal's September Meeting Announcement
by Jerry Parker <jparker@fix.net>
- 21) [19013] Re: altunative power generation
by "Randy Jouett" <nop@swbell.net>
- 22) [19014] Re: [prop] 1998.08.31 USAF HF RADIO PROPAGATION REPORT
by Monte Stark <ku7y@dri.edu>
- 23) [19015] further symptoms of weak ears on my 38S
by Jerry Conover <jerry.conover@NAU.EDU>
- 24) [19016] N4BP Bubba
by Bob Patten <n4bp@bc.seflin.org>
- 25) [19017] Mod. and FM for TS130V?????????????
by "Eim Mulder" <mulder@server4.nfra.nl>
- 26) [19018] More JE1ZDX pictures on our web site.
by "Eric Swartz - WA6HHQ, EleCraft" <erics@elecraft.com>
- 27) [19019] Re: altunative power generation
by "Randy Jouett" <nop@swbell.net>
- 28) [19020] Q: distance calculation?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 29) [19021] QRP receive with 30dB gain !
by "Radman" <radman@best.com>
- 30) [19022] Re: HF Rig Recommendations
by RCV6064@aol.com
- 31) [19023] Re: distance calculation? (here ya go !)
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 32) [19024] Helsinki to Rio by Crow...
by "Radman" <radman@best.com>
- 33) [19025] SLV AMAZING
by ARDUJENSKI@aol.com
- 34) [19026] Re: Century 22 for Sale...but didn't
by nhoop@centuryinter.net (N H)
- 35) [19027] w/r Quad
by jdenison@morelr.com (JOEL DENISON)
- 36) [19028] Minnesota QRP Club Meeting for September
by applitech@mcg.net (Claton Cadmus)
- 37) [19029] HW9-PC1 counter/keyer combo
by "Jeff M. Gold" <JGold@tntech.edu>
- 38) [19030] NERDS ANTENNA TEST
by ARDUJENSKI@aol.com
- 39) [19031] Re: HF rig recommendations
by w4pj@w4bkx.ampr.org
- 40) [19032] Re: Xtal filter for DC receiver - legit?
by Zack Lau <zlau@arrl.org>
- 41) [19033] Elmer 101 - Questions - Pauls book
by "401(k) Compliance" <bmug@gwl.com>
- 42) [19034] Re: time/space continu-umm
by Scott Howell <showell@hq.nasa.gov>
- 43) [19035] 49 er

by crc <crc@io.com>

44) [19036] Re: time/space continu-umm
by "Michael A. Gipe" <mgipe@reliablemeters.com>

45) [19037] Re: Xtal filter for DC receiver - legit?
by Zack Lau <zlau@arrl.org>

46) [19038] Re: altturnative power generation
by "George T. Baker" <w5yr@swbell.net>

47) [19039] Re: time/space continu-umm
by Al Moyle <n3kfl@penn.com>

48) [19040] Re: disrespecting collectors...
by Ed Tanton <n4xy@att.net>

49) [19041] Re: Joe Everhart, N2CX to visit Bay Area
by Joe Everhart <n2cx@voicenet.com>

50) [19042] Re: time/space continu-umm
by Scott Howell <whowell@hq.nasa.gov>

51) [19043] Re: time/space continu-umm
by Scott Howell <whowell@hq.nasa.gov>

52) [19044] Re: disrespecting collectors...
by "Brad Hernlem" <alihernlem@hotmail.com>

53) [19045] Re: disrespecting collectors...
by DNT1@chrysler.com

54) [19046] Good Will
by ac5ez@webtv.net (Larry B)

55) [19047] Re: altturnative power generation
by Steven Weber <kd1jv@moose.ncia.net>

56) [19048] 30 dB gain revisited...
by "Radman" <radman@best.com>

57) [19049] Re: Century 22 for Sale...but didn't
by nhoop@centuryinter.net (N H)

58) [19050] Re: disrespecting collectors...
by David Fouchey <dafouche@jax-inter.net>

59) [19051] HB: Building Frenzy.....
by n5inz@juno.com (John M Andrews)

60) [19052] Neat Stuff in my Mail Box
by "401(k) Compliance" <bmug@gwl.com>

61) [19053] QRP-1 Addiction Help. Was Re: time/space continu-umm
by "Randy Jouett" <nop@swbell.net>

62) [19054] Re: altturnative power generation
by w4bws@juno.com (Donald E Sanders)

63) [19055] CQ blooper ??
by MNHHopkins@aol.com

64) [19056] ZOMBIE shuffle - make it a Hallowe'en trick or treat?
by Kodaly <kodaly@geocities.com>

65) [19057] Re: Neat Stuff in my Mail Box
by "rrrhensel" <rrrhensel@sprintmail.com>

66) [19058] K2 - and the World Market Crisis
by Kodaly <kodaly@geocities.com>

67) [19059] Re: Neat Stuff in my Mail Box

- by DENNISMO@aol.com
- 68) [19060] Re: Neat Stuff in my Mail Box
by w4bws@juno.com (Donald E Sanders)
- 69) [19061] Heathkit Transistors
by K2UD@aol.com
- 70) [19062] Some Baling wire, please!
by Ed Loranger <we6w@qsl.net>
- 71) [19063] bandpass filter kits from Dan's?
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
- 72) [19064] Re: disrespecting collectors...
by Jim Lowman <jmlowman@ix.netcom.com>
- 73) [19065] Attenuator
by wd3p@juno.com (Larry Cahoon)
- 74) [19066] TenTec Transverter ??
by wj5o@juno.com (William H. Hays)
- 75) [19067] Polyvaricon Capacitor
by "Dan Hanson" <kd6rxz@hotmail.com>
- 76) [19068] FS: Hw-9
by DaveLeDuc@aol.com
- 77) [19069] Personal Network Analyzer - anyone built from QST 'Jan 98?
by Bob Painter <turnkey@exo.com>

Date: Mon, 31 Aug 1998 18:11:31 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: n2tpa@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18993] Re: Xtal filter for DC receiver - legit?
Message-ID: <35EB2DA3.A7138374@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Several years ago, a company whose name I do not remember developed and offered for sale crystal front-end filters for exactly the purpose described here.

Seems like they came in CW and phone subband bandwidths of a couple of hundred kHz or so. Claimed to cut down tremendously on front-end overload and the like.

So, the idea is not just "academic." ;^)

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

Bill d Lazure wrote:

<snip>

The only advantage that I can see to this
> scheme is that you'd get some incredible front-end filtering. Could be
> useful if you're in an unusually high "RF Noisy" environment.
Bill
> N2TPA

Date: Mon, 31 Aug 1998 18:24:29
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [18994] Re: Stirling Engines
Message-ID: <3.0.3.16.19980831182429.1b3f8df8@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> *** <http://www.stirlingengine.com/>
>
Neat, I loved the animated diagrams! Okay, now I understand how they work.
Pricey little gems though.

I'd like to build a two piston jobbie, with one outside and one inside the
house. With the temp differential we can get here in the winter, should run
like gang busters!

72, Steve KD1JV

Date: Mon, 31 Aug 1998 18:18:02 -0500
From: The Boices <boice@bigfoot.com>
To: qrp-l@Lehigh.EDU
Subject: [18995] Experience w/ MFJ 1026 or JPS ANC-4
Message-ID: <3.0.5.32.19980831181802.007b3c00@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've recently moved into a townhouse, and have severe QRM all across the HF
bands. Does anyone here have experience with the MFJ-1026 or JPS ANC-4
noise cancelling units, on both tx and rx? I run a Sierra, as well as do

some SWL.

73,

Mike
KM5PE, Canyon TX
QRP-L # 576

Date: Mon, 31 Aug 1998 19:25:38 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [18996] W/R ANT... caught by darkness...
Message-ID: <199809010025.TAA19039@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High gang:\

well almost got it going... it's way bent outta shape but it's up, sorta...
twenty sounds quiet... don't know if band is dead or not...

Oh, the project... a four element quad with .2 wave spacing...
only have it pointed towards the lower 47... ran out of wire... will have to
see what's what in the morning... boy, stringing uup fo;;ur ropes sure uses
up a lot of rope... probably would have finished it today but a nap and
worry about the bumble bee nest kinda slowed me up some...

Gotta go into town tomorrow to see if the doc can get my ticker to
flicker faster than 50 bpm... kinda slowing down on me... what isn't...
hee... hee... might pick up some wire and then I can put the eles. that
point to europe on then... what a p;roject...

c u
joel in maine, listening to the static on my radio...
WA5CVM

Joel Denison
PO BOX 542 3-element Wire/Rope This & That away yagi for 20mtrs
Strong, Maine 04983 Gentle Lady R C sailplane
jdenison@morelr.com

Date: Mon, 31 Aug 1998 19:39:24 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU

Message-ID: <3.0.3.32.19980831193924.006e3384@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

oops. i thought the 'wee 6W' was the joke (must be an input power).

> Brad enlightened us with:
>
>> Roger Hightower (N7KT) -- Good radio name
>> Ed Loranger (WE6W) -- Good QRP name
>>
> Hee! Hee! I for one missed that before.
>
>Ed Low-Ranger Hee, hee haaa, whooooo

--adam, n2brt

=====
Adam B. Kanis
adam-kanis@uiowa.edu
=====

Date: Mon, 31 Aug 1998 19:42:06 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Subject: [18998] Re: Xtal filter for DC receiver - legit?
Message-ID: <3.0.3.32.19980831194206.006dc7d8@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi zack,

> I've always been
> a little leery of shattering such a filter with big signals

how much of a worry is this? is the concern on frequency sigs or off
frequency ones - in which case some LC filtering up front would help. i am
trying to make a reliable, simple radio for use in belize. their antennas
would be near-ground-mounted dipoles on 80m, so I wouldn't think there
should be huge voltages coming down the line.

--adam

Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu ARRL:RSGB:QRP ARCI:NorCal:QRP-L:G-QRP:CQC

** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

Date: Mon, 31 Aug 1998 20:40:07 -0500
From: k5ubs@juno.com (Oscar A Hoyt)
To: qrp-1@Lehigh.EDU
Subject: [18999] cancel postpone
Message-ID: <19980831.204008.13926.0.k5ubs@juno.com>

cancel postpone
vacation over
Oscar K5UBS Ham since 55

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Date: Mon, 31 Aug 1998 21:59:36 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [19000] RE: Using big rigs on QRP
Message-ID: <000101bdd54c\$2bdbd560\$05251ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"All joking aside, how about an Under *1* watt Greyline contest?? Let each time zone have it's shot at twilight and limit the contest to two or three bands. (FOR EXAMPLE) Say, 40 & 30m, 7pm to 9pm each time zone, so the contest actually spans a few more hours. The east and west coast would actually not be competing real-time. I guess it would be a 24 hour contest in 2 hour segments.

Contact points could be assigned using a miles-per-watt calculation. 1 Watt at 1000 miles could be a 'MPW' factor of 1, with .5 watt at 1000 miles being a MPW factor of 2.

So, a contact using .5 watt at 200 miles would be give .4 points. (2 being the watt multiplier because $1 / .5 = 2$, and .2 being the miles multiplier as $200 / 1000 = .2$. $2 * .2 = .4$ points.) One of several available distance

calculation programs could be used as a standard to judge distances.

Antenna bonuses could be arranged by percentage of wavelength vs height divided by gain. IE, a full wave antenna at a full wave above ground with unity gain would be $(1 \times 1) / 1$ or 1 for the antenna multiplier.

So, a 5/8 wave antenna with 3 dB gain at 1/4 wavelength high would be $(1.6 \times 4) / 3$ or 2.134. (Beams with multiple elements would be calculated per element -- a 4 [half wave] element beam would equal 2 as the wavelength modifier.) I have no clue what to use as a standard for judging or estimating gain, but I'm sure there are antenna programs out there to do it. Maybe someone could post something on a site that 'evaluates' a station antenna and assigns a rating. I dunno. (What rating would we give a ground-mounted antenna?)

HomeBrew gets a Rig Rating of 2, commercial rigs a rating of 1. Combinations are fair -- a commercial receiver with a home-made transmitter would have a Rig Rating of 1.5.

This would be a great contest, with really high scoring potential, especially for those with limited stations. Your final score would be figured as

Contact points (Each Contact) = (Watt Multiplier * Miles Multiplier)
Antenna Multiplier = (Wavelength Factor * Height Factor) / Gain
Rig Multiplier = 1 or 2
Raw Score = Total of all Contact Points
Adjusted score = (Raw Score * (Antenna Multiplier * Rig Rating))

Where:

Watt Multiplier = $1 / \text{Actual Power used (decimal, always 1.0W or less)}$

Miles Multiplier = $\text{Actual Mileage} / 1000$

Wavelength Factor = $\text{Percentage of 1 Wavelength} / 1$

Height Factor = $\text{Percentage of Height vs. Wavelength} / 1$

Rig Multiplier = 1, 1.5 or 2

1 = Commercial

1.5 = Combination

2 = Home Brewed (Rx and Tx)

So, if Johnny was running 500 mW with a homebrew rig into a dipole at 30 feet on 40 meters and made two contacts, one at 400 miles, and the other at 650 miles, what would Johnny's score be?

Watt Multiplier

$1 / .5 = 2$

Contact #1 **

$400 / 1000 = .4$
 $2 * .4 = .8$

Contact #2 **
 $650 / 1000 = .65$
 $2 * .65 = 1.3$

Total Contact Points
 $1.3 + .8 = 2.1$

Antenna Multiplier
 $.5 / 1 = .5$
 $.25 / 1 = .25$
(Dipole = 2.2 dB??)
 $4 / 2.2 = 1.82$

Rig Rating
2

Final Score
 $1.82 * 2 = 3.64$
 $3.64 * 2.1 = 7.644$

** The contact points are the only ones to be calculated over and over, and they're easy. The nasty calculation only has to be done once, and it would probably be easy to write a program that calculates this stuff automatically.

Well, there it is. I've read for months now about 'level playing fields' and what is 'fair,' so I've been working on this for a while. I think it poses a challenge for radio skill, but mathematical skills as well... grin. (Believe it or not, I've simplified this from the original version!)

So what say? I'm not wearing any flame-suits, I just had to get this one out of my head!!!"

Tracy N4LGH
QRP-L #1453
tracy@bytemark.com

Date: Mon, 31 Aug 1998 22:19:03 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: <boice@bigfoot.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19001] Re: Experience w/ MFJ 1026 or JPS ANC-4

Message-ID: <199809010231.WAA07413@gold.muskoka.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Had the same problem at a friends house in Florida. Fixed it by improving grounding of house wiring system. Sunk a ten foot copper pipe into the ground next to the service panel by connecting it to the garden hose and letting the water do the job. Works really well. Noise is gone. Check your place with a portable broadcast receiver tuned to low end. It may lead you to the service panel. Good luck.

Armin Hachmer VE3TEQ

RR1, MacTier, Ontario, Canada, P0C 1H0

> From: The Boices <boice@bigfoot.com>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Subject: Experience w/ MFJ 1026 or JPS ANC-4

> Date: Monday, August 31, 1998 19:18

>

> I've recently moved into a townhouse, and have severe QRM all across the HF

> bands. Does anyone here have experience with the MFJ-1026 or JPS ANC-4

> noise cancelling units, on both tx and rx? I run a Sierra, as well as do

> some SWL.

>

>

> 73,

>

> Mike

> KM5PE, Canyon TX

> QRP-L # 576

>

Date: Mon, 31 Aug 1998 22:22:30 -0400

From: wb8ygg@juno.com

To: qrp-l@Lehigh.EDU

Subject: [19002] Re: Xtal filter for DC receiver - legit?

Message-ID: <19980831.222231.14078.0.wb8ygg@juno.com>

Geesh, when I read the thread, I thought the topic was audio frequency filtering using xtal filters, as opposed to front end.

Go figure.

"One of the TICK Guys"

Brad WB8YGG

<http://www.frontiernet.net/~embres>

embres@frontiernet.net

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 31 Aug 1998 22:39:16 EDT

From: Ab7wy@aol.com

To: qrp-1@Lehigh.EDU

Subject: [19003] Re: [prop] 1998.08.31 USAF HF RADIO PROPAGATION REPORT

Message-ID: <7c5727eb.35eb5e54@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a message dated 98-08-31 01:44:43 EDT, you write:

<< THE OBSERVED 10.7 CM FLUX FOR 30 AUG 98 WAS 163.
THE FORECAST 10.7 CM FLUX FOR 31 AUG AND 01, 02 SEP 98
ARE 170, 170, AND 165. >>

HOLY MOLY!! look out, its going to be a great cycle....i can feel it!!

ready to rock!!
73...Adam, AB7WY

Date: Mon, 31 Aug 1998 22:49:17 EDT

From: Ab7wy@aol.com

To: qrp-1@Lehigh.EDU

Subject: [19004] Re: Time/Space Continue-um; QRP-1 addiction.

Message-ID: <1e50aba3.35eb60ad@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a message dated 98-08-31 13:02:19 EDT, you write:

<< Just remember, the first step is to recognize that you are "powerless"
(hi). >>

hi ed and hi bill:

well at least you dont have to make amends to those whose friday night TV was
destroyed by a kilowatt.

addict

hi, im adam....and im a qrp-l

73.....AB7WY

Date: Mon, 31 Aug 1998 22:52:20 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19005] Re: Appropriate Names
Message-ID: <a91f6136.35eb6164@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-31 13:51:45 EDT, you write:

<< Roger Hightower (N7KT) -- Good radio name
>>

just wait til Buddy Tenfore makes his debut.

73....Adam, AB7WY

Date: Mon, 31 Aug 1998 22:04:30 +0000
From: Rick Weber <weber@accenttech.com>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: qrp-l@Lehigh.EDU
Subject: [19006] re: altturnative power generation
Message-ID: <35EB1DDC.69CF@accenttech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On August 30, Steven wrote:

>You know how a tall tree swings in the wind?
>Well, I've had this idea (browed from a NASA tech brief) about attaching a
>rope to the top of a tall pine tree (which can really sway in the wind)
>running it through a pulley at the bottom of the tree and using it to pump a
>hydraulic pump (with spring loaded return, of course). That would build up
>pressure in a tank and when there is enough pressure, in turn power a
>generator.

snip

Well Steven... we see you contemplate more esoteric subjects than strain
gage paddles!

I'm fortunate to have 17 acres of dense forest here with no neighborhood
covenants whatsoever. But after weaving several thousand feet (?) of
wire into the branches with countless failed slingshot forays, my wife
put a few "deed restrictions" of her own on my errant aerals!

Some folks have antenna farms. I got antenna nests.

But you know... it IS possible, if not impractical, to "wiggle" a
ratcheted coil spring winder in a fusee gear train and provide constant
torque, constant angular velocity to a generator. Might be fun. I've an
old gum tree that bends a whole bunch more than the taller hardwoods in
the wind. Hmmmm.

You're in the White Mountains? Boy, I fella wouldn't be short of wind
power up around Mt. Washington!

73,

Rick Weber W9QZ

ps: sent ya a photo of my antenna nest.

** If you're green, you're growing. If you're ripe, you're rotting. **

Date: Mon, 31 Aug 1998 23:02:28 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: QRP-L@Lehigh.EDU
Subject: [19007] Spectrum Analyzer Parts Kit Pricing and order info
Message-ID: <199809010302.XAA24289@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Finally - I have finished locating parts and figuring pricing for a kit of parts for the Spectrum Analyzer that was in the two part article in QST (Aug. / Sept '98) by W7ZOI and K7TAU.

The set of 5 PC boards is available for \$42 plus \$3 S/H. Included with the boards is a parts list, layout, and schematic of each board. The boards are for the following parts of the SA:

1st LO and 1st Mixer
2nd LO and 2nd Mixer
IF and Log Amp.
Time Base Generator
Resolution Bandwidth Filter

The kit of parts that I will supply will include all the parts that go on the boards except the 30 KHz crystal filter that goes on the Resolution Bandwidth board. It will also NOT include feedthru caps, connectors and the pins used for interconnection of boards and test points. These points can easily be wired to directly.

The 5 "off board" pots ARE included - they are not ten turn pots.... Also included in the kit are the parts necessary to build the 110 MHz bandpass filter and the 70 MHz LPF at the input - no PC boards are supplied for these items.

The price of the entire kit of parts is \$150 - the PC boards mentioned above are a separate item - i.e., not included in the \$150. Shipping cost for the parts kit, or for the parts kit and the boards will be \$3 in the US for Priority Mail. Orders outside the US will be shipped at cost.

This is NOT a beginners kit. Documentation will be at most a copy of the article - (I still have to get permission from ARRL to copy the article!) plus the diagrams, lists, and schematics that come with the PC boards. I am doing this kit to give the experienced builder a chance to get all the parts in one place....

I will be ordering the parts this week, and can ship as soon as I get them in and check that all parts fit the boards. I have not yet assembled one of the Analyzers, so I would like to at least stuff the boards with the parts to be sure they all fit before I ship the first one....

I will be doing a production run of thirty parts kits. Early orders would be appreciated to help finance the cost of the parts. If demand warrants, I will do additional kits.

I will post a note to QRP-L when I begin shipping kits. Boards are shipping now....

Wes has been updating his web site with info on the SA, and has pictures of two Analyzers that are completed and functional. You can get to the W7ZOI web page at:

www.teleport.com/~w7zoi/

The link to the SA info is near the bottom of the first page.

I can take orders via telephone at 419-423-4604. You will probably get my answering machine - so leave visa/MC and shipping info there. I can also take orders via US mail and e-mail if you are comfortable with CC info on the internet....

My mailing address is:

Kanga US
3521 Spring Lake Dr.
Findlay, OH 45840

I am sorry it took so long to get this info out to all of those who have expressed an interest in the Analyzer Kit. As most of you know - Kanga is not my "real job" - my "real job" has gotten in the way of the fun one recently!

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Mon, 31 Aug 1998 20:12:06 -0700
From: neil <neil@aaade.com>
To: qrp-l@Lehigh.EDU
Subject: [19008] Re: SMT Parts Source
Message-ID: <35EB6605.7C5FFD00@aaade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Electronic goldmine has lots of surplus SMD parts. I've never bought any but you

can check them out yourself.
<http://www.goldmine-elec.com>

--

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Mon, 31 Aug 1998 23:44:09 -0400
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [19009] any NW pilot qrp'ers out here?
Message-ID: <05a615744030198UPIMSSMTPUSR04@email.msn.com>

Hey just wondering if there are any Northwest Pilot qrp'ers out here I could correspond with.
Greg. kb2qqm

Date: Mon, 31 Aug 1998 23:44:44 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
"jennings@eng14.rochny.uspra.abb.com" <jennings@eng14.rochny.uspra.abb.com>
Subject: [19010] RE: altunative power generation
Message-ID: <01BDD53B.97F8E5A0@bgr172.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

also , if u live near the ocean the wind blows much of the time. cy - k1tes

From: Thomas Jennings
Sent: Monday, August 31, 1998 4:12 PM

To: Low Power Amateur Radio Discussion
Subject: Re: altunative power generation

If you live by a lake or ocean, you can use waves to run a generator.

Tom, kv2x

Date: Mon, 31 Aug 1998 23:43:16 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'nop@swbell.net'"
<nop@swbell.net>
Subject: [19011] RE: altunative power generation
Message-ID: <01BDD53B.94455380@bgr172.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

randy
they had these in ww2.
an undershoot turbine connected to a 6v generator. i could never find one.
maybe someone can get lucky. u would be amazed how many small hi head
streames the are in rural areas w water. cy - k1tes

From: Randy Jouett
Sent: Monday, August 31, 1998 3:45 PM
To: Low Power Amateur Radio Discussion
Subject: Re: altunative power generation

-----Original Message-----
From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, August 31, 1998 12:36 PM
Subject: Re: altunative power generation

>>How about a device to hook to the toilet that would generate power with
>
>I like it! Put a water wheel in the main drain pipe and generate power with
>each flush, shower or when doing the dishes or laundry!
>
>72, Steve KD1JV

>

I get free water in the apartment that I'm staying in, and I was thinking about putting a paddle-wheel generator on the bath and kitchen sink spouts. Should work well when a hurricane knocks out the power :^). Should be able to easily power a qrp station and a light bulb.

Randy AB5NI
nop@swbell.net

Date: Mon, 31 Aug 1998 22:11:54 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [19012] NorCal's September Meeting Announcement
Message-ID: <2.2.32.19980901051154.00d6b5dc@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

the September meeting of the NorCal QRP Club will be held as usual Sunday September 6th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita

exit to your right. You will come to a traffic light.
Go straight across the street, and you will see the
McDonald's and Shell Station. Same directions as
above.

Remember, if you have never been to a QRP meeting,
this is not like all of the other meetings you go to.
It starts about 10:30 and ends about 1:30 or so.
No rules, no minutes, no new business, no old business,
just a get together of QRPers who want to meet and
share QRP information with others of like interests.
Our meeting is entirely social, and those who attend
always seem to enjoy themselves. If you come, bring
along your latest project to share with the rest of us,
we want to see and admire it, probably steal a couple
of your ideas in our next project, but we will have fun!

72,

Doug, KI6DS

Date: Tue, 1 Sep 1998 00:03:47 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <crc3@telplus.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19013] Re: altunative power generation
Message-ID: <011301bdd565\$e7c9d7e0\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>randy
>they had these in ww2.
>an undershoot turbine connected to a 6v generator. i could never find one.
>maybe someone can get lucky. u would be amazed how many small hi head
>streames the are in rural areas w water. cy - k1tes

Too cool, cy! I'd like to get my hands on one, too. I'd imagine that the

only place you could find a thing like that these days would be in a museum.

Also thought about putting one under a rain spout, but that would be too intermittent to charge a battery, unless you lived in a rain forest or something.

Hey...how about this. Power a qrp rig off of the phone line. You should at least be able to power an audio amp on a crystal set :^). Maybe even get enough juice for a small xcvr. Say, 50-100 mw? :^)

Date: Mon, 31 Aug 1998 23:13:31 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Ab7wy@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19014] Re: [prop] 1998.08.31 USAF HF RADIO PROPAGATION REPORT
Message-ID: <Pine.SOL.3.96.980831231147.23385A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 31 Aug 1998 Ab7wy@aol.com wrote:

> HOLY MOLY!! look out, its going to be a great cycle....i can feel it!!
>
> ready to rock!!
> 73...Adam, AB7WY

Yep! Worked a VP9 tonight on 20m with 200 mW. He wasn't very strong and I still got a 439!

Hurry up spots....

(Then maybe everyone will get busy and stop trying to convert everyone else to their ways!)

:~)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 31 Aug 1998 23:15:00 -0700
From: Jerry Conover <jerry.conover@NAU.EDU>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19015] further symptoms of weak ears on my 38S
Message-ID: <35EB90E3.1B96E75B@nau.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

In addition to the general lack of action on the receiver of my newly-built 38 Special (see my QRP-L posting of 8/31/98), I note that the RF gain control does not appear to vary the level of background noise, which is all I can hear except for very faint signals (S1) that are coming in fine (S7 or better) on my Yaesu FT-890 with the same antenna.

Any ideas as to what to check out next to get the receiver working? As I noted earlier, the transmitter seems to be putting out a few watts, and was heard with a 588 report from a thousand miles away.

Thanks for any and all suggestions.

73/72 de AB7II
Jerry
jerry.conover@nau.edu

Date: Tue, 1 Sep 1998 02:24:00 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [19016] N4BP Bubba
Message-ID: <Pine.3.89.9809010209.D7461-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Content-Transfer-Encoding: QUOTED-PRINTABLE

BURN UR BIG B_____ AWAY

=20

Call used: N4BP	Location: FL - Outdoor
Category: Single Op All Band	Mode: CW
	Power: 1W

Callsign of Operator: N4BP Heat Index: 130 (98 deg. - 61% RH=

)

=20

Exchanged Information: N4BP 559 FL BOB 98

=20

Hours of Operation: 03:36

=20

band	QSOs	points	mults
160	0	0	0
80	0	0	0
40	0	0	0
20	55	55	24
15	31	31	21
10	4	4	4
TOTAL	90	90	49

3 X NQ7RP =3D 30,000

SCORE: 90 X 49 X 2 X 2 X 130 + 30,000 =3D 2,323,200 pts. =20

=20

Comments: TS-130V @ 1W, TH7-DXX @ 45 feet, NA v10.32
Located on patio at rear of house

Fun little sprint! Too bad that so few took the time to check 10M since the band was definitely open. Sent 98 degrees throughout although the temp actually peaked out at 102. I wimped out and set up a fan on the patio since the air was perfectly still and the sweat in my eyes was blinding me! The equipment worked flawlessly and the power line noise was at a relative low. My thanks to Brian, NQ7RP for moving from band to band for me. Jim, AL7FS was easy copy for a change. :-)

The sprint is too early for 40M to be of any use to me. It ends a good two hours before sunset and I'm too far from population centers to make daylight Q's.

73,
, ' ' ' ,
Bob Patten, N4BP (0 0) Plantation, FL
o00o-()-o00

=09

=09=09=09=09

Bob Patten, N4BP (0 0) Plantation, FL

o00o-()-o00

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715 =20

Date: Tue, 01 Sep 1998 08:30:14 +0200
From: "Eim Mulder" <mulder@server4.nfra.nl>
To: QRP-L@Lehigh.EDU
Cc: mulder@server4.nfra.nl
Subject: [19017] Mod. and FM for TS130V?????????????
Message-ID: <s5ebb0a1.024@server4.nfra.nl>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

HI,

Is there anyone who can tell me if there are modifications for the kenwood =
TS130V and the 2e question is, is it possible to make this transceiver to =
work in fm-mode on the 10m band.

Eim PA3CMD

Eim mulder

mulder@nfra.nl

Date: Mon, 31 Aug 1998 23:37:21 -0700
From: "Eric Swartz - WA6HHQ, EleCraft" <erics@elecraft.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19018] More JE1ZDX pictures on our web site.
Message-ID: <35EB9621.384E7F96@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I've placed a couple more pictures from my JA QRP DX trip to Tsukuba-san
Mountain on our web page: <http://www.elecraft.com/JA/JA%20Show.htm>

72,

Eric

Date: Tue, 1 Sep 1998 02:07:36 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <jennings@eng14.rochny.uspra.abb.com>, "Low Power Amateur Radio Discussion"
<qrp-l@lehigh.EDU>
Subject: [19019] Re: altunative power generation
Message-ID: <012e01bdd577\$34135a70\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>If you live by a lake or ocean, you can use waves to run a
>generator.
>
>Tom, kv2x

Thanks for the info, Tom. Someone else (was it you?) was saying something
about this in a previous post, I believe. How does this thing work
mechanically, and what does it look like? Man, if you could line this thing
up with under-tow, you'd have some power!

Date: Tue, 01 Sep 1998 11:07:13 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [19020] Q: distance calculation?
Message-ID: <35EBAB31.3492@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I would like to know the distance between Helsinki (Finland) and Rio de
Janeiro. Perhaps somebody has the tools handy for this?

I had a QSO with 3 W from my Sierra in a 15 m dipole while portable a
while ago from a place called Parikkala nr. Savonlinna on the eastern
border of Finland with a PY station in Rio. I wonder how many miles per
watt this my best ever DX was. The report wasn't so bad either.

tnx for reading
oh2zaz

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 1 Sep 1998 01:20:19 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [19021] QRP receive with 30dB gain !
Message-ID: <199809010817.BAA14670@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Tired of chasing DX at "unity gain"
with your rusty old dipole? (I thought
so.)
Point your browser toward Germany and
check out the full-size "28MHz Pile-Up
Cracker"
that DF9CY/DH6LS recently put up. This
antenna "hears" 15 dB better than their
3 element
tri-band yagi... (which probably has a
forward gain of a mere 12-15 dB.)

8 element 28 MHz yagi at 21 meters
above the ground -- perhaps 30dB of
forward gain!

URL:
http://home.t-online.de/home/df9cy.petermann/df9cy_28crack.htm

Oh what fun this would be with QRP ;)!

72 - Conrad Weiss - NN6CW ... seldom
over 5 watts -- frequently above unity
gain.

Date: Tue, 1 Sep 1998 05:06:18 EDT
From: RCV6064@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19022] Re: HF Rig Recommendations
Message-ID: <48aa8eb7.35ebb90a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang - I would like to publicly thank those who took the time to respond to my question regarding the choice of HF rigs (I've already thanked everyone privately). As many have said before, you can always count on the folks on QRP-L to come through when you need them. I've received many responses and I will be making a decision over the next several weeks on which rig to buy. Again, many thanks to all. Following are the results of the responses I have received.

Ten Tec	Omni D	1
	Corsair I	3
	Delta 580	1
	Scout	1
	No model	2
	Mfr Total	8

Kenwood	830S	4
	130S	1
	140S	1
	Mfr Total	6

Elecraft	K2	5
----------	----	---

Icom	725	1
	735	2
	737A	1
	Mfr Total	4

Alinco	DX70T	3
--------	-------	---

Norcal	Sierra	3
--------	--------	---

S & S Eng	M1	1
-----------	----	---

Yaesu	FT101	1
-------	-------	---

73,

Rich K6TM
Santa Clara, Ca

Date: Tue, 01 Sep 1998 12:12:51 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: Radman <radman@best.com>
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [19023] Re: distance calculation? (here ya go !)
Message-ID: <35EBBA93.42FB@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Radman wrote:

> Ans: Distance between Helsinki, Finland
> and Rio de Janeiro, Brazil, as the crow
> flies:
>
> 6826 miles (10986 km) (5932
> nautical miles)
>
> Try URL: <http://www.indo.com/distance/>
>
> I'm not sure if radio waves fly the
> same path that crows fly... but I'll
> bet some one on QRP-L will know ;)

Thanks Conrad. I checked out the URL you gave and stored it. BTW, the only two places it knows in Finland are the capital Helsinki and, oddly, a very minor Swedish speaking village called Dalsbruk. I can't think of any reason why Dalsbruk should be in that particular data base at all.

73, oh2zaz

--
Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 1 Sep 1998 02:34:02 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [19024] Helsinki to Rio by Crow...
Message-ID: <199809010930.CAA14409@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Arjen,

You asked: "I would like to know the distance between Helsinki (Finland) and Rio de Janeiro. Perhaps somebody has the tools handy for this?"

Ans: Distance between Helsinki, Finland and Rio de Janeiro, Brazil, as the crow flies:

6826 miles (10986 km) (5932 nautical miles)

Try URL: <http://www.indo.com/distance/>

It links to the Xerox PARC distance server in the US.

I'm not sure if radio waves fly the same path that crows fly... but I'll bet some one on QRP-L will know ;)

I've got to get some sleep and dream about that German "Pile-Up Cracker."

Gud DX & 72 - Conrad Weiss - NN6CW

Date: Tue, 1 Sep 1998 08:05:04 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19025] SLV AMAZING
Message-ID: <14ad5ecd.35ebe2f0@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

BILL,
Playing with the SLV last nite with very poor conditions last nite I got a nice surprise. FLA, CA, IA on ssb. Can't wait to phase them and see what happens.

GL on the BOBTAIL. Where is your feedpoint?
Alan KB7MBI

Date: Tue, 01 Sep 1998 12:22:25 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19026] Re: Century 22 for Sale...but didn't
Message-ID: <35ebe658.1683053@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dang, I'm not doing well here. Anyone make me a reasonable offer?

Nat

>Selling my Century 22. Totally stock and near mint condition. With manual
>and power cord (12v). \$ 265 + ship'g.
>
>I bought this a month or so ago from Brian <K3USC> and have been using it
>QRP CW (or is it CW QRP?) since, feeding a long wire via a small tuner. The
>rst's say the tone is good.
>
>72 Nat KM5QU
>Oxford AR
>QRP-L #1665
>

Date: Tue, 1 Sep 1998 07:58:40 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [19027] w/r Quad

Message-ID: <199809011258.HAA28775@ns1.morelr.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Well, what can I say... the quad sure looked catty whampus this morning... (reminds me of a date I had once... :-)) I straightened out the elements and came inside and heard a Ja on ssb... ant is pointing sw from strong maine...

Signals all sound rather loud so I guess there is unity gain taking place :-)) (uniting me and the rest of the world, that is)... Oh what is a poor cajun lad to do for a good ant... hee.. hee..

gonna get the wire and see how many elements I can get to point toward europe... may only get to put a ref, driver, dir...was hoping for 2 dir but seems the trees aren't far enough apart...

C U

joel, wa5cvm, in maine, planting trees for future antennas...

WA5CVM

Joel Denison

PO BOX 542

4-element Wire/Rope This & That away quad for 20mtrs

Strong, Maine 04983

Gentle Lady R C sailplane

jdenison@morelr.com

eighty meter inverted vee up 50ft

Date: Tue, 1 Sep 1998 07:56:24 -0500

From: applitech@mcg.net (Claton Cadmus)

To: "MNQRP" <mnqrp@qth.net>, "QRP-1" <qrp-1@Lehigh.EDU>

Subject: [19028] Minnesota QRP Club Meeting for September

Message-ID: <046d01bdd5aa\$543ecb80\$a10a5e2c@groucho>

After some discussion about the Holiday weekend, and changing the date. The MNQRP Society WILL hold its September Meeting this Saturday the 5th at 1:30. All that are in the area are welcome to attend. There will not be a formal program this month. Bring your latest and greatest QRP equipment and stories. The meeting is held at the Minnetonka Community Center in Minnetonka, MN a western suburb of the Minneapolis/St. Paul Metro area.

Directions to the Minnetonka Community Center:(Map on the Web Site)

Exit 494 at Minnetonka Blvd. (just south of 394) and go west to Williston Road (less than 1/4 mile) and turn right(north). The Community Center is the first building on your right. Plenty of parking right there. If you need talk in, we will have someone on the 145.45 repeater.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Tue, 01 Sep 1998 08:27:43 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@Lehigh.EDU>
Subject: [19029] HW9-PC1 counter/keyer combo
Message-ID: <009b01bdd5ac\$4cbeb620\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I have a HW9 with WARC bands, minor scratches, front panel real good, has the S&S programmable counter (used as digital VFO, but can be used as counter), a Oak Hills Keyer in nice small metal case.

Will either sell all for \$240+shipping or do a trade on some mobile HF gear

72

Jeff, AC4HF

Date: Tue, 1 Sep 1998 09:30:04 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19030] NERDS ANTENNA TEST
Message-ID: <d631a367.35ebf6dc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Anyone wanting to TEST their field antenna either Saturday or later next week let me know and I will raise the antlers. If enuff want it I can set up something like a mini FOX nite.

Sunday is out. (Going to the WA state chili championship. Cud be my ticket to the Nationals at Terlingua, TX in Nov). Any QRPers there??

Alan KB7MBI

Date: Tue, 01 Sep 1998 09:22:25 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [19031] Re: HF rig recommendations
Message-ID: <19583@w4bkx.ampr.org>

Looks like the Ten-Tec's have it!
Another thing about T-T is the fact that Ten-Tec takes their older rigs in on trade. They check them out, make any repairs or adjustments and resell them. Therefore, if you want the best in commercially designed and produced gear specifically for CW, and cannot afford the top-o-the-line, you can still get an older unit from the folks who made it. From QRP to QRO they have it, from PTO to DSP, plain Jane to bells and whistles and they have a great reputation for their fine service.

The *ONE* thing that sets them apart: They encourage tinkering! If you modify one of their rigs (and don't change the basic design) and like the difference (Improvement) they want to know what you did and may even use your ideas in one of their future designs. i.e. The patented "Jones" filter.

To subscribe to the Ten-Tec reflector send a message to:
tentec-request@contesting.com
message: subscribe
The service and sales folks at T-T read the list and reply when appropriate. How's that for keeping a hands-on approach regarding the relationship between the owners and the manufacturers? Can't say that about Kensuscom!

Standard disclaimer, yadda yadda yadda.

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> #1585 (Pres. SFDXA)
----- 73 -----

Date: Tue, 01 Sep 1998 10:01:39 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [19032] Re: Xtal filter for DC receiver - legit?
Message-ID: <35EBFE43.677A@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Simple LC filtering will take care of big AM broadcast and pager signals, but field Day multi-transmitter operations and nearby amateurs can generate large in-band signals without any warning. In New England, it is sometimes possible to live close to a ham with indoor antennas and not realize it until you hear him on the air.

Easily accessible mountaintop locations often have lots of transmitters--though hiking far from civilization will solve this.--Zack W1VT

Date: Tue, 1 Sep 1998 07:58:10 -0600
From: "401(k) Compliance" <bmug@gwl.com>
To: "'Bruce Muscolino'" <w6toy@erols.com>
Cc: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [19033] Elmer 101 - Questions - Pauls book
Message-ID: <01BDD57E.4464E360.bmug@gwl.com>

Bruce,

OK, I got the time and was surprised how little time I needed. Based on what you and others told me I need to look at everything in blocks, therefor, once I've used up C1, C2 and L1 I can forget they are there.

C3 is so small (8.2p) that is really doesn't do much more than connect the next section to the first so what is left is L2, C4, C5 and C6. Doing the math the resonate Frequency of the second tuned circuit is 6.8 MHz, as compared to the first of 7.2 MHz. With a little tweaking of L1 and L2 I suppose I would put the two circuits into resonance at my desired frequency.

OK, let me guess what is going on - the RF (all the RF hitting the antenna) comes in between C1 and C2. These have been set up to change the 50 ohms of the antenna to 1500 ohms needed by the NE602 (works like a voltage divider using resistors). The resonant circuit of L1, C1 and C2 coupled by C3 to resonant circuit L2, C4, C5 and C6 work together to "bleed off" any signals outside of my wanted 7MHz (40M) band. The remaining signal is then fed to the NE602 (my next step to try to understand).

Is this correct? I hope so because school is starting again and my oldest daughter is hitting me with chemistry questions from her college classes and it's been more than a few years since I've messed with chemistry. If it's not correct - let me know and I will ask her some questions.

72's

de KB0ROL, Brad

PS I'm attaching the original message from Bruce because it is very helpful and it was a LONG LONG time ago he wrote it.

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]

Sent: Thursday, August 13, 1998 5:59 AM

To: Brad Mugleston

Subject: RE: Questions - Pauls book

Brad,

I finally dug out my copy of Paul's book. No, I don't always sleep with it! It was buried on my bench where I had used it to find something. Looking at Figure 1 and the text, again please tell me where your confusion starts.

Figure 1 is a typical NE602 rig RF Input stage. The example comes from the MFJ rig and looking at it you can see their front end design is stronger than most. Rick Littlefield has chosen to use a "double tuned" circuit in his front end while most rigs use a single tuned circuit. The difference is the double tuned circuit which provides substantially more rejection to out of band signals -- an issue on 40 meters at night in some places.

Capacitors C1 and C2 act as an impedance matching network. I believe I saw an explanation that Paul sent you describing how that works. In Dave Benson's design he has added a variable voltage divider across this that allows him to reduce the input signal when necessary. The double tuned circuit is made up of C1, C2, and L1, coupled to C4, C5, C6, and L2 bu C3. Let's look at the \ capacitor networks first.

C1 is in series with C2. Capacitors in series are like resistors in parallel -- the value is $C1 \cdot C2 / (C1 + C2)$. In this case, $C1 \cdot C2 = 147600$ and $C1 + C2 = 1000$. The equivalent capacitor, $C_{in} = 147.6$ picofarads (pf). Something to notice here is that the total value of capacitors in series (or resistors in parallel) is always less than the smallest value.

Now let's look at the second capacitor network C4, C5, and C6. Again they are in parallel. Since there are three capacitors here it is easier to use the equation $C_{total} = 1 / ((1/C4) + (1/C5) + (1/C6))$. If you've studied algebra at all you can transform the case of equation for two capacitors into the first equation

I used. If you haven't, I will show you how that is done next time.

Anyway, the

calculation goes like this:

$$1/C4 = 1/(330) = 0.00303 \quad 1/C5 = 1/(330) = 0.00303$$

Now here it gets a bit tricky. C4 and C5 are in picofarads; C6 is in microfarads, 100000 times a picofarad.

We have to account for this difference. So,

$$1/C6 = 1(100000 \times .1) = 1/(100000) = 0.00001$$

Now, going back to the equation and using these values we get:

$$1/(0.00303+0.00303+0.00001) = 1/(0.00607) = 164.7 \text{ picofarads!}$$

So, the two capacitor networks are equal in value! Each is in parallel with an adjustable coil. The maximum value of this coil is shown as 3.5 microhenries. The small grey block above the schematics shows the calculation of the resonant frequency of this coil capacitor pair. It comes out in the 40 meter band.

Adjusting the coil from the 3.3 microhenry value Paul used upwards to 3.5 microhenries will adjust the resonant frequency downward.

All this collection of parts does is filter out the 7 MHz signals we want from all the rest of the signals that appear on your antenna. It passes 7 MHz and rejects the rest to a greater degree as they get farther away from 7 MHz.

Chew on this for now and we'll go further next time. Again, if you haven't had a class in algebra you might think of adding it to your list of courses to take!

73

Date: Tue, 01 Sep 1998 10:56:59 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: mitch96@pobox.com, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [19034] Re: time/space continu-umm
Message-ID: <3.0.5.32.19980901105659.007c54a0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

in light of the recent posts regarding Qrp-1/Qrp addiction, I have decided

to form a Qrp Addiction Anonymous help group. This group will be given the name of QAA. If you wish to join, you may send me an E-mail requesting assistance for your addiction.

You'll be assigned a case number. You should provide a little info such as how serious the addiction/affliction is, length of time in this state, and any other info you think may help me to increase your addiction...um help curer you.

I have reserved case number 00 for myself in conformance with Y2K compliance. So don't ask for my case number cause I'll fight for the right to be the big double 0.

Send all requests to Whowell@mail.hq.nasa.gov

Scott/n3byy QAA/md (mental destroyer)

Date: Tue, 01 Sep 1998 09:55:07 -0500
From: crc <crc@io.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [19035] 49 er
Message-ID: <35EC0ACB.716C@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just got three 49 er boards and have seen a lot of mods and changes for them but can't find a parts list .Does anyone out there have a list of the parts ,and hopefully the sources.

Thanks ::

Charlie WA5KRF

Date: Tue, 1 Sep 1998 08:12:24 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [19036] Re: time/space continu-umm
Message-ID: <0e3601bdd5ba\$efdf0bdf0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

How about a QAA weekly net? A QAA sponsored QRP contest?

>in light of the recent posts regarding Qrp-l/Qrp addiction, I have
decided
>to form a Qrp Addiction Anonymous help group...

Date: Tue, 01 Sep 1998 11:26:42 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [19037] Re: Xtal filter for DC receiver - legit?
Message-ID: <35EC1232.39FF@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Crystal filters may actually compromise system dynamic range, compared to LC filtering of the same bandwidth. While narrow LC filters at 3.5 and 7 MHz have more loss, crystal filters are often the weak links in terms of intermodulation distortion, if very high level mixers are used without RF preamps.

While Bliley Electric Company lists JT-cut crystals for 2.5 to 13.5 kHz, I'd stick with LC filters for high dynamic range audio filters. Most people don't come anywhere close to having to avoid non-linear affects caused by ferrites in receiving applications.

--Zack Lau W1VT

Date: Tue, 01 Sep 1998 10:59:09 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: crc3@telplus.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [19038] Re: altturnative power generation
Message-ID: <35EC19CD.A767B2F0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I remember a home problem in an undergrad thermodynamics course that involved an island. The water on one side of the island was at a given temperature, while the water on the other side of the island was at a different temperature. The problem was to determine the potential work that could be done by utilizing that temperature difference. As I recall, even though the temperature difference was only a few degrees, a surprising amount of work was potentially available. Any qrp-l'ers live on an island?

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

cy r currier wrote:

>

> also , if u live near the ocean the wind blows much of the time. cy - k1tes

Date: Tue, 01 Sep 1998 12:02:07 -0400
From: Al Moyle <n3kfl@penn.com>
To: qrp-l@Lehigh.EDU
Subject: [19039] Re: time/space continu-umm
Message-ID: <3.0.32.19980901120205.00984ae0@pop.penn.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How about a QAA email list ... on second thought, maybe that isn't such a good idea.

Date: Tue, 01 Sep 1998 12:28:45 -0400
From: Ed Tanton <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [19040] Re: disrespecting collectors...
Message-ID: <3.0.5.32.19980901122845.00c765d0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Besides which, we're ALL collectors... tell me you only have one of each unit required to operate, and I'll agree YOU may not be a "collector"... otherwise it becomes a matter of intent, degree, and scope. Perhaps if there was a word-and "collector" isn't it-for people who accumulate

Just because you do not enjoy having-and using-more than one rig at a time-perhaps-is no cause to demean those who do.

```
>> I discovered that Vic and I have a mutual distaste for collectors
```

73

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		ORP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Doug (and the gang),

Just to make things interesting, I should have a couple of project prototypes for sho-and-tell. Might even have them operational by that time!

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Tue, 01 Sep 1998 12:37:32 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19042] Re: time/space continu-umm
Message-ID: <3.0.5.32.19980901123732.007f6a00@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

wow! this could take off if I'm not careful. WEll now while your applying for your case number, let me know if there is interest in a contest, net, or both.

Also, suggestions on contest rules. I figure a contest would be name, spc, rst, and either pwr or case number which we'll shorten to cn. So, what yall think of this. Now this is a first for me and also one of my more creative ideas so bare/bear with me.<g>

72/73 de n3byy

At 08:12 AM 09/01/1998 -0700, Michael A. Gipe wrote:
>How about a QAA weekly net? A QAA sponsored QRP contest?
>
>
>

Date: Tue, 01 Sep 1998 12:39:12 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: n3kfl@penn.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19043] Re: time/space continu-umm
Message-ID: <3.0.5.32.19980901123912.007f23f0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

nice thought, but ya ain't gettin' me to manage that puppy. I have enough trouble managing myself...just ask my Xyl. tt's why I have her.<g>

>Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
>-----
>INTERESTS: QRP BoatAnchors Test Equipment Photography
>CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
>-----
>"Think you can, think you can't: either way you're right!" Henry
Ford
>-----
>
>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 1 Sep 1998 12:46:07 -0400
From: DNT1@chrysler.com
To: n4xy@att.net
Cc: qrp-1@Lehigh.EDU
Subject: [19045] Re: disrespecting collectors...
Message-ID: <85256672.005C05B0.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Try "hoarder" or "packrat".... ;-)

> Perhaps if there was a word-and "collector" isn't it-for people who
accumulate
> equipment, and never even intend to use it-for whatever reason(s)...
> perhaps that word would be appropriate for the person you mean. "Curator"
> perhaps???

Don T.

Date: Tue, 1 Sep 1998 11:49:45 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [19046] Good Will

Message-ID: <7060-35EC25A9-1364@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

It pays to browse the local good will once in a while. Picked up a 12vdc @400ma wall wart charger for \$ 2.00 and a 12/24 hr clock for \$3.00. Not bad !

Larry Ac5ez

Date: Tue, 01 Sep 1998 11:12:14
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [19047] Re: altturnative power generation
Message-ID: <3.0.3.16.19980901111214.2c2f4c92@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hey...how about this. Power a qrp rig off of the phone line. You should at
>least be able to power an audio amp on a crystal set :^). Maybe even get
>enough juice for a small xcvr. Say, 50-100 mw? :^)

You woun't make friends at ol' Ma Bell this way. Phone Co gets real testy about pulling power from thier lines. You can pull maybe a milli-amp without them noticing or making the line go off hook. Real problem is if the phone rings, then you get a 20 Hz, 100 V rms signal. That could fry the rig real quick!

72, Steve KD1JV

Date: Tue, 1 Sep 1998 10:39:52 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19048] 30 dB gain revisited...
Message-ID: <1998090111737.KAA21394@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Yep, I agree... 30 dB receive gain really does sound too good to be true!
See what happens when you run gain calculations at 2:30 am? ;)

RE: DF9CY's new 28MHz beam (8 elements on a 45 foot boom) -- the manufacturer, GB HF Antennas, rates it at *only* 13.5dB forward. Front-to-back is probably on the order of 30dB or better I'd guess.

But, when Christoph, DF9CY, says the 45 foot yagi gives him 15dB more receive gain than a FB33 tribander -- that's where he lost me! Then again, bagging 130 countries in a few days isn't bad no matter what the gain ;)

For those who asked... check out URL:
<http://home.t-online.de/home/df9cy.petermann>
and look for "28MHz Pile-Up Cracker."

Thanks for all the interesting comments on this one,

72 - Conrad Weiss - NN6CW

Date: Tue, 01 Sep 1998 17:42:30 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19049] Re: Century 22 for Sale...but didn't
Message-ID: <35ef318e.20940046@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OhMiGawd! I've got so many replies....

I will try to answer most of the questions here.

On the asking Price: \$265 (Plus shipping): That's what I paid for it.

OK,I'm come down to \$250 + shipping.

Someone asked what are the flaws that make it "Near" Mint? that was the wording in the ad I bought it from. I see a scratched area (about 1/2 sq "") on the near-left top from stacking other gear. I must admit that I lack the experience or wherewithal to give a concise evaluation of it's operating characteristics. But I've been using it for CW QRP (5 Watts output) and am unaware of any problems. When I first got it, the dial skirt with the 1 KHz markings would jump off setting, but I fixed that and it will now stay precisely zeroed on WWW for weeks on end after warm-up. Also, I mentioned that rst's tell me it puts out a good CW signal.

Oops, almost forgot: there are some hi-lighter marks in the original manual.

Best

Nat KM5QU
Oxford, Arkansas
870-258-3082

Date: Tue, 01 Sep 1998 13:52:22 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: alihernlem@hotmail.com, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [19050] Re: disrespecting collectors...
Message-ID: <3.0.1.32.19980901135222.00812100@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well I am a Collector in one sense, I "collect" the items that have in the past meant something to me. For instance my first receiver when I got into ham radio in the '60's was an SX-25, so I have gone out of my way to aquire one for my "Collection". But as an investment? Nope never happen... Now my XYL refers to me simply as a Pack Rat, I think she may have the right of it...

Dave F.
WA4EMR

At 09:40 AM 9/1/98 PDT, Brad Hernlem wrote:
>To me, a "collector" is someone who accumulates things merely to have
>them or for their investment value but NOT to use them. Such people may
>even (with certain collectibles, not necessarily radio related) destroy

```
>the remaining functional value of said item (for example, the varnishing
>of old tools so that they "look nice on the wall").
```

>Brad

```
>>Besides which, we're ALL collectors... tell me you only have one of
>each
```

>>unit required to operate, and I'll agree YOU may not be a

```
>"collector"...
```

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>>otherwise it becomes a matter of intent, degree, and scope. Perhaps if
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>>there was a word-and "collector" isn't it-for people who accumulate
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>>equipment, and never even intend to use it-for whatever reason(s)...
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>>perhaps that word would be appropriate for the person you mean.

```
>"Curator"
```

>>perhaps???

>>

```
>>Just because you do not enjoy having-and using-more than one rig at a
```

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>>time-perhaps-is no cause to demean those who do.
```

>>>

```
>>>> I discovered that Vic and I have a mutual distaste for collectors
```

>>>

>>

>>73

>>

>>Ed Tanton N4XY EMAIL: n4xy@att.net

>>189 Pioneer Trail

>>Marietta, GA 30068-3466

TEL: (770) 579-3933 V/MBX/FAX

>>

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>>INTERESTS:  QRP      BoatAnchors  Test Equipment  Photography
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>>CW: 99.9%           Mercury Paddle # 0214
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QRP to 150W: 95%

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>>"Think you can, think you can't: either way you're right!"
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Henry

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>Ford
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>>~~~~~

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>>

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>

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>Get Your Private, Free Email at <http://www.hotmail.com>

>

 γ $\succ$

Date: Tue, 1 Sep 1998 13:01:27 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [19051] HB: Building Frenzy.....
Message-ID: <19980901.130241.3382.3.N5INZ@juno.com>

First... many thanks to all who responded to my last post on filters. Your thoughts and impressions have been well taken(as indicated by my absence from the list). I've been hard at work.

Wes was even kind enough to comment. Remember that the criteria that we find in Solid State Design was written in 1977. His update in Radio Frequency Design brings more information to the front. If you are not familiar with this, I recommend it highly- especially for those not well grounded in the math and theory of design. Just half of the programs on the floppy disk make it worth the \$30 for the disk and book.

What I was trying to express in my original post, however, was the fact that Solid State Design has "real" models that were worked up not only on computer simulations, but with the test equipment some of us may not have at hand(i.e. a Boonton L/C bridge)- This makes the band-pass filters we find in the appendix very workable; filters that are easy to reproduce- I try to avoid re-inventing the wheel. "Q" pretested, etc.

I live in the real world. In this real world, computer simulations are almost a bad joke- thus the need for the test jig found in the same appendix. Gary Hanson, in a presentation to the Austin QRP club, made up 5 or 6 really neat modules from R. Shack proto-boards(see...I *was* paying attention, Gary). These make great test boards and jigs.

The "white block" solderless test blocks are ok, but you need to remove all the parts and transfer them to a more permanent solder type board. I gave this some thought. On hand was a pile of machined pin sockets and I installed them in a pattern for several formats- Butterworth filters in particular.

The L/C components were inserted into the individual machine pins and "piggy-backed", the male portion of the pin into the female portion already soldered to the board. Wheee....Electronic Silly Putty...

Seem to be doing well at collecting a huge batch of metal decorative tins(English tea cookies, Christmas tins, etc) from the local outdoor swapmeet- The filters go into a box,

the VFO from W1FB's QRP Notebook another, and the 160 metre simple superhet another. Lashed together with RCA connectors and RG-174, the whole mess goes into a medical monitoring instrument box (you find the weirdest things at swapmeets for a buck).

Again, many thanks to all who have been so supportive.

72, John- N5INZ Schertz, TX.

BTW- Seems like I remember that some outfit had machine pins on sale- BG Micro?

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 1 Sep 1998 12:39:15 -0600
From: "401(k) Compliance" <bmug@gw1.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [19052] Neat Stuff in my Mail Box
Message-ID: <01BDD5A5.892A1AC0.bmug@gw1.com>

I just had to write the group about this. I got home last night around 8:30 or so (sorry I missed the CQC meeting) and in my mail was a catalog from Ocean State Electronics (www.oselectronics.com or 800-866-6626). I thought fun another catalog. BUT when I opened it up I nearly died. To give you an idea what they carry:

Page 16 Capacitor and Resistor Substitution box kits - \$14.95
Page 33 HC6U transmitting crystals in the amateur bands (it looks like all the QRP 80-15M ones are there) \$9.95
Page 51 a bottle of Q-Dope \$3.75
Pages 58 - 59 Air Variable Capacitors (the nice metal ones) Single and Multiple Gang from \$5 on up to \$80.
For all you Kenwood owners on Page 64 they have flexible shaft couplings.
Page 84-87 - Tube stuff and kits (something I've just got to try)

On the other pages is all the normal stuff you would think you would find (toroids, caps, resistors, you know stuff).

Standard disclaimer - I don't work there but I am arranging to have my paycheck automatically deposited into their account.

de KB0ROL, Brad

Date: Tue, 1 Sep 1998 13:54:05 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19053] QRP-1 Addiction Help. Was Re: time/space continu-umm
Message-ID: <002201bdd5d9\$e5a97730\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>nice thought, but ya ain't gettin' me to manage that puppy. I have enough
>trouble managing myself...just ask my Xyl. tt's why I have her.<g>
>
>72/73 de n3byy

Sounds like we need a psyc clinic for this. How about an HMO plan? Ham
Mental Organization. :^)

>At 12:02 PM 09/01/1998 -0400, Al Moyle wrote:
>>How about a QAA email list ... on second thought, maybe that isn't such a
>>good idea.

I can see it now: qrp-1 addicts addicted to the QAA e-mail list :^)

But never fear! Help has arrived, becuz I think I've defined the problem and
have worked out a solution!

Diagnosis: Qrp-1ers who are addicted to qrp-1 have "Bipolar Disorder."
Too much 2N2222 talk on here did them in :^)

Prescription: Take 2 Varicaps and call me in the morning.

Randy "Doc" Jouett AB5NI
nop@swbell.net

Date: Tue, 1 Sep 1998 14:38:50 -0400
From: w4bws@juno.com (Donald E Sanders)
To: w5yr@swbell.net
Cc: qrp-l@Lehigh.EDU
Subject: [19054] Re: altturnative power generation
Message-ID: <19980901.144821.6582.0.w4bws@juno.com>

I don't know any, but I know several QROers I like to send to one.

Don W4BWS

Any qrp-l'ers live on an island?

>

>72/73, George didit dit
>Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
>QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
>AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771
>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 1 Sep 1998 15:02:37 EDT
From: MNHopkins@aol.com
To: Glowbugs@piobaire.mines.uidaho.edu, Boatanchors@theporch.com, QRP-L@Lehigh.EDU, breynold@sigg.com
Subject: [19055] CQ blooper ??
Message-ID: <59c76a7d.35ec44cd@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Brethren,

I have been to the console and I have seen the promised man.

Just read the testimony of Brother Bob:

Subj: Re: Space/Ocean Hop/Spaner of the Knight -Reply
Date: 98-08-31 12:24:35 EDT
From: breynold@sigg.com (Bob Reynolds)

Sender: owner-boatanchors@theporch.com
Reply-to: breynold@sigg.com
To: boatanchors@theporch.com (Old Tube Radios)

<snip>

As a 12 year old kid studying code for a
ham license, I answered a 40m CQ by
keying the antenna on my Ocean Hopper.
HE CAME BACK TO KN5BOB !! - my
adopted call" --

Red K5VOL

*****That's right, friends, the truth has outed as those fancy guys say.
Here is genuine proof that, after all, praise Frank Jones, those regenerative
Blooper receivers do indeed radiate a "significant" signal. I am going to
cross post this to QRP-L where I expect Chuck Adams to see it, buy a
SpaceHopper, and start on WAC.

(BTW, still have some copies of the 8-page review of the Knight, not Lafayette
Space Spanner and Ocean Hopper from 1957 Electronics Guide complete with
diagrams of both and many poorly reproduced pics for SASE and \$1)

73 de ab5L, michael in dallas, student of Tecraft and International Crystal
(ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Tue, 01 Sep 1998 15:09:51 -0400
From: Kodaly <kodaly@geocities.com>
To: qrp-l@Lehigh.EDU
Subject: [19056] ZOMBIE shuffle - make it a Hallowe'en trick or treat?
Message-ID: <3.0.1.32.19980901150951.00a79c10@mail.geocities.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gosh, it is September, and Hallowe'en will be upon us soon enough, and with it the Zombie Shuffle (cause of course, Zombie's don't sprint).

I was thinking that since Friday October 30 is a Friday (duh!), and the date of the Shuffle, it might be a good trick or treat to do the Shuffle as a goofy public special station. No trouble staying up a bit later on Friday.

Dress up - do some qrp operation of the Shuffle and give a good, if also weird, display of ham radio operation and homebrew / kit building of the technical aspect (and fraternal fun) of the hobby.

Since we all have a couple months to think about how and where to do such a goof, and the usual sprints and Bubba and freeze/burn/fry your xxxx off contests happen in far away places or in the privacy of ones own space, maybe this would be a chance to get out of the Zombie residences. Where to do it - hmmm. Graveyard does not have much of a public aspect, so any place should do that can command the attention warranted.

Anyhow - I want to see if my local 'normal' club is game to do so- they have been QRP for Field Day for 3 years now (and won Canada high score doing it !) so maybe something can be arranged for the other end of the year before we all retreat to our caves for the Winter. El Nino's sister is supposed to be cruel.

Brien
VE3VAW
Toronto

Date: Tue, 1 Sep 1998 15:21:26 -0400
From: "rrhensel" <rrhensel@sprintmail.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [19057] Re: Neat Stuff in my Mail Box
Message-ID: <000401bdd5dd\$b7d63740\$0317e590@nos_rrhensel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

when I go there all I get is a big UNDER CONSTRUCTION banner
am I doing something wrong?

SNIP
>State Electronics (www.oselectronics.com or 800-866-6626). I thought fun
SNIP

Richard Hensel
N8WLC

Date: Tue, 01 Sep 1998 15:23:19 -0400
From: Kodaly <kodaly@geocities.com>
To: qrp-l@Lehigh.EDU
Subject: [19058] K2 - and the World Market Crisis
Message-ID: <3.0.1.32.19980901152319.00a79100@mail.geocities.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Having fun looking at the Elecraft photos in Japan. Looks like they had a great reception there, and a good time doing it.

I hope Eric and Wayne had a serious talk with the JA qrpers and they will be all working to solve the Asian economic meltdown!
Its effects, along with Russian non-government, on world markets and world currencies of commodity trading nations (viz, Canada, etc.) are making the K2 a 'hope to' right now, as in we hope to see some major increases in the value of the dollar before the K2 gets totally out of the price range that can be entertained. The psychological barrier to cost is the thing, despite the real value of purchase.
Interesting times. I hope we are not going to be running portable from hobo cities alongside railway freight-yards.

I see the latest photo purports to allow us to see the K2 stacked up against the size of a beer can - perhaps rightly so. Rig for a beer budget?

72 es gud luck to all investors

Brien
VE3VAW

Date: Tue, 1 Sep 1998 15:32:45 EDT
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19059] Re: Neat Stuff in my Mail Box
Message-ID: <9172be7b.35ec4bdd@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang -

The Ocean State Electronics web site must still be under construction or the address is wrong... probably option 1. I did call the 800 number and ordered a catalog. A very friendly gentleman named Frank Sr. answered and is sending me out a catalog via 1st class mail. BTW - they have a QRP kit listed with electronics valves... (tubes)....!

cul es 72 de Denny <AD6EZ><

Date: Tue, 1 Sep 1998 04:32:42 -0700
From: w4bws@juno.com (Donald E Sanders)
To: DENNISMO@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [19060] Re: Neat Stuff in my Mail Box
Message-ID: <19980901.043257.11646.1.W4BWS@juno.com>

I did the same. He wanted to know how I heard of Oceanstate and I gave him the info on QRP-L. He may join us- another winner.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Tue, 1 Sep 1998 15:32:45 EDT DENNISMO@aol.com writes:
>Hi Gang -The Ocean State Electronics.<snip>
A very friendly gentleman named Frank Sr. answered and is sending
me out a catalog via 1st class mail. BTW - they have a QRP kit listed
>with electronics valves... (tubes)....!
>cul es 72 de Denny <AD6EZ><
>
>

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Date: Tue, 1 Sep 1998 16:38:41 EDT
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19061] Heathkit Transistors
Message-ID: <c0559bb5.35ec5b51@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I let the smoke out of two transistors in my IP-18 Regulated Power Supply.
Who can cross the following:

417-118 small plastic bipolar, drives the T0-3
417-162 large T0-3 can, likely a pass transistor

All you novices and other beginners, take note from this smarty-pants Extra class. Do not exceed the maximum current on your adjustable power supply. Otherwise, you might be posting messages like this one to the list!

TNX to all es 72

Howard Kraus, K2UD

Date: Tue, 01 Sep 1998 20:49:33 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19062] Some Baling wire, please!
Message-ID: <35EC5DDC.23EC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 11 mile bike ride ended abruptly yesterday when air leaked from a bubble in the bicycle tube. Walked the last 5 miles cuz the Boy had the car! Geez, he gets his license, the car, and I get a sore right knee walking home...

Then Juno crashed my computer in mid-download this morning; Three times. I apologize, but might not be answering email if any sent privately to we6w@juno.com

Had to patch a hole in the tire, hole in the tube, and cover a bubble growing in an old patch.... Thornproof my eye...

QAA: I'm known as "Double-0" here at the horseshoe club. My unix machine is "00Ringer" (Double-0-Ringer) which is how two ringers are scored on the scorecard [00 -- 6 points]

So Qrp Addicts Anonymous might have to give me the 006 number!

With the bike repair, the TR-3 snapping at me, the computer crashing, I think its time to build the open-ended/tri-folded dipole variation of the W8JK depicted on page 513/figure 11-61a of Kraus "Antennas". Looks like I'll be QRV with the OHR-100 on 40 meters for a bit.

The ILCK-13 Charger deal is going well. At least 3 have been shipped. I think these deserving hams will soon see what a fine instrument this Charger/Linear power supply is. I'm definately saving one for myself.

Limping along in Santa Rosa,
Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

Date: Tue, 01 Sep 1998 23:37:01 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-l@Lehigh.EDU
Subject: [19063] bandpass filter kits from Dan's?
Message-ID: <01J1B6WYY5FC8Y72P5@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I'd like to know what the bandpass filter kits that Dan's Small Parts sell (6.50 a kit) is intended for?

Do you use these in front of a TRX, i.e. can they handle TX power? What would be their typical use? What kind of filter are they? (e.g. simple top coupled double LC filter etc.)

Would a 40 m version be any use with a 40 m rig to keep adjacent BC stations down?

I remember reading some positive comments about these filters a long time ago - on this list to be sure - and remember also that the filters were said to have been designed by a ham and an article had

been published in QST or other ham magazine. I don't have access to very many American magazines, and therefore I'd very much appreciate a description. Documentation is included in the kit, so I suppose construction is not a problem if I decide to order a kit.

Thanks for reading this.

73, oh2zaz

Arjen Raateland

Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
.-.-.-.-

Date: Tue, 01 Sep 1998 14:09:30 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19064] Re: disrespecting collectors...
Message-ID: <35EC628A.349101F1@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Tanton wrote:

>
> Besides which, we're ALL collectors... tell me you only have one of each
> unit required to operate, and I'll agree YOU may not be a "collector"...
> otherwise it becomes a matter of intent, degree, and scope. Perhaps if
> there was a word-and "collector" isn't it-for people who accumulate
> equipment, and never even intend to use it-for whatever reason(s)...
> perhaps that word would be appropriate for the person you mean. "Curator"
> perhaps???

Ed and the rest of the gang...

It appears that I now owe the list members an apology for my poor choice of terms. Perhaps "speculator" or "hoarder" come closer to the definition that I had intended. Any of you who may have tried to acquire Collins gear recently will understand what I'm talking about.

> Just because you do not enjoy having-and using-more than one rig at a
> time-perhaps-is no cause to demean those who do.

Not so much one rig at a time, but multiple instances of the same rig,
unused,
for the purpose of profit in a future sale.

72 de Jim - AD6CW

Date: Tue, 1 Sep 1998 21:06:20 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-l@Lehigh.EDU
Subject: [19065] Attenuator
Message-ID: <19980901.211057.16374.2.wd3p@juno.com>

A month or so ago we head a thread about attenuators. Well I went and
build one - 12 dB with a t-network per the ARRL Handbook. Set it up with
a bypass switch. I Set the Sierra at 500 mWatts. The OHM WM-2 puts the
signal out at just under 30 mWatts.

I tried it out last night on 20 meters and violated the rules by calling
CQ. That got me Pasco County, FL. Then just a few minutes ago I worked
KC4UG/M in Sumter County in northern AL. The last contact put me under 25
watts total output for WAS - it's a real shame that 5 of those watts are
for one state-not surprisingly - AK.

This stuff sure is fun.

72/73 de Larry.....WD3P.....in MD

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Date: Tue, 1 Sep 1998 16:48:05 cdt
From: wj5o@juno.com (William H. Hays)
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU
Subject: [19066] TenTec Transverter ??
Message-ID: <19980901.164806.16286.0.WJ50@juno.com>

Hi all,
Anyone have experience with the TenTec 1209 Transverter kit?
Either PRO or CON---I'm seriously thinking about 6 meters again.
73 Bill WJ50

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 01 Sep 1998 15:24:41 PDT
From: "Dan Hanson" <kd6rxz@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [19067] Polyvaricon Capacitor
Message-ID: <19980901222441.17613.qmail@hotmail.com>
Content-Type: text/plain

Has anybody ever heard of a 250pF polyvaricon capacitor? It's a dual-section variable capacitor for use in a Z-match tuner. I've been trying to find one with no luck. Thanks!

72 de KD6RXZ, Dan

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 1 Sep 1998 18:28:33 EDT
From: DaveLeDuc@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19068] FS: Hw-9
Message-ID: <162c7926.35ec7511@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have a very nice HW-9 for sale. It is in excellent shape.
\$275 plus shipping from 03858
73 Dave K1EPJ

Date: Tue, 01 Sep 1998 15:58:59 -0700
From: Bob Painter <turnkey@exo.com>
To: qrp-l@Lehigh.EDU
Subject: [19069] Personal Network Analyzer - anyone built from QST 'Jan 98?
Message-ID: <199809012253.PAA28047@ns1.snni.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Group,
Just joined the group and enjoy the high quality of the contributions.

Has anyone built the Personal Network Analyzer from the January
'98 QST? Have you made any mod's such as substituting a different
part for the NE/SA604A in the receiver's?

Would appreciate any experiences you have had with it.

Thanks
72 - Bob Painter KF6KNH, Yorba Linda, CA

End of QRP-L Digest 1201

